

## Product Information

**Product ID** P9671

**CAS No.** 98-96-4

**Chemical Name**

**Synonym** Pyrazinecarboxamide, Pyranzinoic acid amide

**Formula** C<sub>5</sub>H<sub>5</sub>N<sub>3</sub>O

**Formula Wt.** 123.11

**Melting Point** 189-191 °C

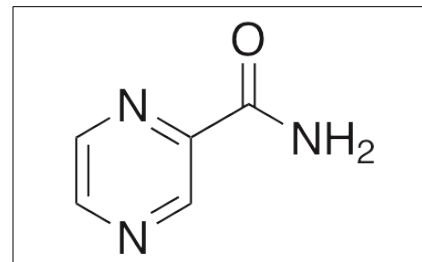
**Purity** ≥98%

**Solubility** Soluble in water  
(15mg/mL).

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Pyrazinamide is a nicotinamide analog prodrug that exhibits antibiotic activity, inhibiting bacterial fatty acid synthetase I. Pyrazinamide displays antibacterial efficacy against both active and dormant bacteria, disrupting cell membranes, acidifying cytoplasm, and inhibiting membrane transport.



**Bulk quantities available upon request**

<b>Product ID</b>	<b>Size</b>
P9671	10 g
P9671	25 g
P9671	100 g

**References** Singh P, Mishra AK, Malonia SK, et al. The paradox of pyrazinamide: an update on the molecular mechanisms of pyrazinamide resistance in Mycobacteria. *J Commun Dis.* 2006 Mar;38(3):288-98. PMID: 17373362.

Zhang Y, Wade MM, Scorpio A, et al. Mode of action of pyrazinamide: disruption of Mycobacterium tuberculosis membrane transport and energetics by pyrazinoic acid. *J Antimicrob Chemother.* 2003 Nov;52(5):790-5. PMID: 14563891.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.